



# Bremsflüssigkeit HS DOT 4 Super

## DOT 4 Brake Fluid

### Description

Aral Bremsflüssigkeit HS DOT 4 Super is a high boiling synthetic brake fluid which far exceeds the requirements of the SAE J1703, FMVSS 116 DOT 3 and 4, ISO 4925 and JIS K2233 specifications.

- Designed for use in all brake systems particularly those which are exposed to extreme conditions and to be a high temperature alternative to DOT 5.1 fluids.
- Formulated from mixed polyalkylene glycol ethers and borate ester together with other high performance additives and inhibitors which give ultimate system protection against the effects of corrosion and high temperature vapour lock.
- Specifically designed Its superior characteristics give added benefit in situations where extreme conditions are encountered and ultimate braking response required.
- Based on glycol ether and borate ester technology and as such has a high vapour lock point (measurement relating to high temperature performance under braking conditions).

Because of the nature of this formulation, the vapour lock point can be sustained at a higher level than conventional glycol ether based fluids during the service life of the product .

Note: Should not be used in braking systems for which a mineral oil based fluid is recommended.

### Typical Characteristics

Name	Method	Units	Bremsflüssigkeit HS DOT 4 Super
Viscosity, Kinematic -40C	IP 71	mm <sup>2</sup> /s	max 1400
Density @ 20C	IP 160	g/ml	1.077
Wet Equilibrium Reflux Boiling Point	SAE J1703	°C	185
Water	ASTM D1123	% wt	<0.2
ERBP (Equilibrium Reflux Boiling Point)	ASTM D1120	°C	>260
Appearance	Visual	-	Clear & Bright, yellow liquid
pH	SAE J1703	pH	> 7

### Product Performance Claims

FMVSS 116 - DOT 3

FMVSS 116 - DOT 4

ISO 4925 Class 4

SAE J1703

Bremsflüssigkeit HS DOT 4 Super  
SAE J1703

Aral, the Aral logo and related marks are trademarks of Aral Aktiengesellschaft, used under licence.

### Storage

This document and the information it contains is believed to be accurate as of the date of printing. However, no warranty or representation, express or implied, is made as to its accuracy or completeness. Data provided is based on standard tests under laboratory conditions and is given as a guide only. Users are advised to ensure that they refer to the latest version of this data sheet. We take the responsibility of the user to evaluate and use products safely, to assess suitability for the intended application and to comply with all applicable laws and regulations. Material Safety Data Sheets are available for all our products and should be consulted for appropriate information regarding storage, safe handling, and disposal of the product. No responsibility is taken by either BP plc or its subsidiaries for any damage or loss of property or injury to persons or freezing conditions. Products should not be stored above 60°C, exposed to the possible ingress of water and damage to drum markings. All products, services and information supplied are provided under our standard conditions of sale. You should consult our local representative if you require any further information.

Aral Aktiengesellschaft, Geschäftsbereich Schmierstoffe, Überseeallee 1, D-20457 Hamburg  
01801-11 55 11  
www.aral-lubricants.de